F. A. PROJECT NOTES ASSUMED LIVE LOAD ------HS20-44 OR ALTERNATE LOADING. DESIGN FILL-----FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET 3" Ø WEEP HOLES INDICATED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS. CONCRETE IN CULVERTS TO BE POURED IN THE FOLLOWING ORDER: 1. WING FOOTINGS AND FLOOR SLAB INCLUDING 4" OF ALL VERTICAL WALLS. 2. THE REMAINING PORTIONS OF THE WALLS AND WINGS FULL HEIGHT FOLLOWED BY ROOF SLAB AND HEADWALLS. THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE CARE OF THE FILL. THIS BARREL STANDARD TO BE USED ONLY ON QUADRUPLE BARREL CULVERTS LESS THAN 8FT, VERTICAL CLEARANCE ON 45° SKEW AND TO BE USED WITH STANDARD WING SHEET FOR THE SAME SKEW AND VERTICAL CLEARANCE. DIMENSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL EMBEDDED IN BARREL ARE SHOWN ON WING SHEET. TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL.SPACED TO LIMIT THE POURS TO A MAXIMUM OF 70 FT.LOCATION OF JOINTS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER. STEEL IN THE BOTTOM SLAB MAY BE SPLICED AT THE PERMITTED CONSTRUCTION JOINT AT THE CONTRACTOR'S OPTION.EXTRA WEIGHT OF STEEL DUE TO THE SPLICES SHALL BE PAID FOR BY THE CONTRACTOR. AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALL AND BOTH FACES OF INTERIOR WALLS AROBOVE LOWER WALL COMPRICTION JOINT. HE SPLICE LENGTH SHALL BE AS PROVIDED IN THE SPLICE LENGTH CHART SHOWN ON THE PLANS, EXTRA WEIGHT OF STEEL DUE TO THE SPLICE SHALL BE PAID FOR BY THE CONTRACTOR. AT THE CONTRACTOR'S OPTION HE MAY SUBMIT, TO THE ENGINEER FOR APPROVAL, DESION AND DETAIL DRAWINGS FOR A PRECAST REINFORCED CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE CULVERT SHOWN ON THE PLANS, THE DESIGN SHALL PROVIDE THE SAME SIZE AND NUMBER OF BARRELS AS USED ON THE CAST-IN-PLACE DESION, FOR OPTIONAL PRECAST REINFORCED CONCRETE BOX CULVERT, SEE SPECIAL PROVISIONS. TOTAL STRUCTURE QUANTITIES CLASS A CONCRETE ____CY/FT___ BARREL @_____ WING ETC.__ TOTAL_ REINFORCING STEEL LOCATION SKETCH BARREL_ LBS. LBS. WINGS ETC._ TOTAL_ LBS. PROJECT NO. ___ COUNTY STATION:___ SHEET 1 OF 2 VERTICAL LEG-STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH 6 BARREL STANDARD 6"RAD. QUADRUPLE FT. X FT. CONCRETE BOX CULVERT WITH PROFILE ALONG & CULVERT LESS THAN 8 FT. VERTICAL CLEARANCE 135° SKEW DECEMBER 1989 SHEET NO. BAR TYPE SPECIAL DATE: NO. BY: DATE BAR DIMENSIONS ARE OUT TO OUT DRAWN BY : D.P.DONOVAN CHECKED BY : E.L.ROSE TOTAL SHEETS STANDARD STD. NO. CB444A

